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PATENT APPLICATION

JC979 U.S. PTO  
09/895381  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
DOUGLAS C. STAHL )  
Application No.: N/Y/A )  
Filed: Concurrently Herewith )  
For: GENOTYPE PATTERN )  
RECOGNITION AND )  
CLASSIFICATION ) June 29, 2001

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to C.F.R. § 1.56, Applicant respectfully directs the Examiner's attention to the documents listed below and on attached Form PTO-144. Copies of each of the listed documents are also enclosed.

U.S. Patent No. 5,365,455  
U.S. Patent No. 5,502,773  
U.S. Patent No. 5,541,067  
U.S. Patent No. 5,580,728  
U.S. Patent No. 5,741,648  
U.S. Patent No. 5,845,049  
U.S. Patent No. 5,945,289  
U.S. Patent No. 5,955,595  
U.S. Patent No. 6,054,268  
U.S. Patent No. 6,088,099

M. W. Perlin et al., "Toward Fully Automated Genotyping: Genotyping Microsatellite Markers by Deconvolution," American Journal of Human Genetics, vol. 57, pp. 1199-1210, 1995.

M. Litt et al., "Shadow Bands Seen When Typing Polymorphic Dinucleotide Repeats: Some Causes and Cures," *BioTechniques*, vol. 15, pp. 280-284, 1993.

M. J. Brownstein et al., "Modulation of Non-Templated Nucleotide Addition by Taq Polymerase: Primer Modifications that Facilitate Genotyping," *BioTechniques*, vol. 20, pp. 1004-1010, 1996.

A. Edwards et al., "DNA Typing and Genetic Mapping with Trimeric and Tetrameric Tandem Repeats," *American Journal of Human Genetics*, vol. 49, pp. 746-756, 1991.

A.-K. B. Lindqvist et al., "Chromosome-Specific Panels of Tri- and Tertanucleotide Microsatellite Markers for Multiplex Fluorescent Detection and Automated Genotyping: Evaluation of Their Utility in Pathology and Forensics," *Genome Research*, vol. 6, pp. 1170-1176, 1996.

T. J. Hudson et al., in "PCR Methods of Genotyping," *Current Protocols in Human Genetics*, vol. 1, pp. 2.5.1-2.5.23, 1997.

J. S. Ziegle et al., "Application of Automated DNA Sizing Technology for Genotyping Microsatellite Loci," *Genomics*, vol. 14, pp. 1026-1031, 1992.

D. C. Mansfield et al., "Automation of Genetic Linkage Analysis Using Fluorescent Microsatellite Markers," *Genomics*, vol. 24, pp. 225-233, 1994.

M. W. Perlin et al., "Toward Fully Automated Genotyping: Allele Assignment, Pedigree Construction, and Recombination Detection in Duchenne Muscular Dystrophy," *American Journal of Human Genetics*, vol. 55, pp. 777-787, 1994.

U.M. Fayyad et al., "From Data Mining to Knowledge Discovery: An Overview," *Advances in Knowledge Discovery and Data Mining*, MIT Press, pp. 1-34, 1996.

S. Saha, "Image Compression - From DCT to Wavelets: A Review," *Crossroads: The ACM Student Magazine*, 2000, pp. 12-21.

R. Rohwer et al., "Neural Networks," *Machine Learning, Neural and Statistical Classification*, Ellis Horwood, 1994, pp. 84-106.

P. Mars et al., "Artificial Neural Networks," *Learning Algorithms: Theory and Application in Signal Processing, Control, and Communications*, Electronic Engineering Systems Series, CRC Press, 1996, pp. 25-52.

Each of the foregoing articles were cited in the specification of the subject application and may be deemed relevant for the reasons given therein. In addition, it is noted that the foregoing U.S. Patents turned up during pre-filing activities.

Inasmuch as this Information Disclosure Statement is filed concurrently with the subject application, it is believed that this Information Disclosure Statement is timely. See 37 C.F.R. § 1.97(b)(1). Accordingly, the Examiner is urged to study this information in its entirety and to form an independent determination of the materiality of the information to the claimed invention. Additionally, the Examiner is requested to indicate that this information has been considered by initialing the appropriate portion of Form PTO-1449.

Applicant's undersigned attorney may be reached in our Costa Mesa, California office by telephone at (714) 540-8700. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

  
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